

GenCore version 4.5
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OM nucleic - nucleic search, using SW model
Run on: November 8, 2001, 10:37:20 ; Search time 244.67 seconds

Perfect score: 15831.631 Million cell updates/sec
Sequence: 1 atctttgttcagttaccc...cttgccctccatgtcag 6169

Title: US-09-227-881-3
Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 730101 seqs, 313950809 residues

Total number of hits satisfying chosen parameters: 1460202
Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database : N_Geneseq_0501:*

1: /SISI1/gcdata/geneseq/geneseq/NM1980.DAT:*

2: /SISI1/gcdata/geneseq/geneseq/NM1982.DAT:*

3: /SISI1/gcdata/geneseq/geneseq/NM1983.DAT:*

4: /SISI1/gcdata/geneseq/geneseq/NM1984.DAT:*

5: /SISI1/gcdata/geneseq/geneseq/NM1985.DAT:*

6: /SISI1/gcdata/geneseq/geneseq/NM1986.DAT:*

7: /SISI1/gcdata/geneseq/geneseq/NM1987.DAT:*

8: /SISI1/gcdata/geneseq/geneseq/NM1988.DAT:*

9: /SISI1/gcdata/geneseq/geneseq/NM1989.DAT:*

10: /SISI1/gcdata/geneseq/geneseq/NM1990.DAT:*

11: /SISI1/gcdata/geneseq/geneseq/NM1991.DAT:*

12: /SISI1/gcdata/geneseq/geneseq/NM1992.DAT:*

13: /SISI1/gcdata/geneseq/geneseq/NM1993.DAT:*

14: /SISI1/gcdata/geneseq/geneseq/NM1994.DAT:*

15: /SISI1/gcdata/geneseq/geneseq/NM1995.DAT:*

16: /SISI1/gcdata/geneseq/geneseq/NM1996.DAT:*

17: /SISI1/gcdata/geneseq/geneseq/NM1997.DAT:*

18: /SISI1/gcdata/geneseq/geneseq/NM1998.DAT:*

19: /SISI1/gcdata/geneseq/geneseq/NM1999.DAT:*

20: /SISI1/gcdata/geneseq/geneseq/NM2000.DAT:*

21: /SISI1/gcdata/geneseq/geneseq/NM2001.DAT:*

22: /SISI1/gcdata/geneseq/geneseq/NM2002.DAT:*

Pred. No. 1 is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

RESULT		1	ALIGNMENTS	
ID	AAV51368	standard; DNA; 6169 BP.	XX	
AC	AAV51368;		XX	
DT	27-OCT-1998	(first entry)	XX	
DE	Human TIGR upstream region and exon 1 DNA.		XX	
XX	TIGR; trabecular meshwork induced glucocorticoid response protein; human; diagnosis; glaucoma; polymorphism; steroid sensitivity; ss.		XX	
KW			OS	
OS	Homo sapiens.			
XX				
FH	Key	Location/Qualifiers		
FT	exon	5301..5940		
FT		/tag= a		
FT		/number= 1		
FT		5337..6169		
FT		/tag= b		
FT		/product= "TIGR"		
FT		/note= "partial coding sequence"		
FT		5941..6169		
FT		intron		
FT		/tag= c		
FT		/number= 1		
FT		/note= "partial intron sequence"		
XX				
PN	W09832850-A1.			
XX				
PD	30-JUL-1998.			
XX				
PF	09-JAN-1998;	98WO-US00468.		
XX				

is, prognosis and treatment of glaucoma, based on detecting specific polymorphisms in the promoter of the trabecular meshwork glucocorticoid receptor gene - 9; Fig 2A-E; 122pp; English.

PR 08-NOV-1995; 96US-0748479.
PR 30-JAN-1997; 97US-0791347.
XX
XX
PA (IOWA) UNIV IOWA RES FOUND.
XX
PT Alward WLM, Shefffield V, Stone EM;
DR WPI; 1998-286947/25.
P-PSB; AAW60670.
XX
PT New isolated gene associated with glaucoma - used to develop
products to determine whether a subject has, or is at risk of,
developing glaucoma, and for treating or preventing glaucoma
XX
PS Claim 1; Fig 1A-B; 116pp; English.
XX
CC This represents the genomic sequence of the human GLC1A gene which is
associated with juvenile open angle glaucoma (JORG). The gene can be used
for the development of assays for identifying molecules that modulate
(agonists or antagonists) the bioactivity of a functional or mutant gene
or protein. Modulators may be an antibody, protein, peptide or
peptidomimetic or a nucleic acid, e.g. antisense sequence, ribozyme or
triple helix forming nucleic acid. These molecules can be administered to
a subject with glaucoma or at risk for developing glaucoma to prevent or
reduce the severity of the condition. Derivatives of GLC1A gene can be
used to detect lesions of the GLC1A gene which are indicative of glaucoma
or predisposition to glaucoma.
XX
SQ Sequence 3493 BP; 929 A; 840 C; 840 G; 871 T; 13 other;

RESULT 15
 AAV51391
 ID AAV51391 standard; cDNA; 1548 BP.
 XX
 AC AAV51391;
 XX
 DT 27-OCT-1998 (first entry)
 XX
 DE Human TIGR cDNA.
 XX
 KW TIGR; trabecular meshwork induced glucocorticoid response protein; human;
 KW diagnosis; glaucoma; polymorphism; steroid sensitivity; ss.
 OS Homo sapiens.
 XX
 PH Key Location/Qualifiers
 FT CDS 37..154B
 FT /*tigr^a
 FT /product= TIGR
 XX
 PN WO9332850-A1.
 XX
 PD 30-JUL-1998.
 XX
 PF 09-JAN-1998; 98WO-US00468.
 XX
 PR 26-SEP-1997; 97US-093869.
 PR 28-JAN-1997; 97US-0791154.
 XX
 PA (RESC) UNIV CALIFORNIA.
 XX
 PI Chen H, Chen P, Nguyen TD, Polansky JR;
 XX
 DR WPI: 1998-427946/36.
 DR P-PSDB; AAW64669.
 XX
 PT Use of TIGR nucleic acid sequences - used for, e.g. developing
 PT products for diagnosis, prognosis and treatment of glaucoma
 XX
 PS Claim 48; Fig 7; 105P; English.
 XX
 CC This cDNA sequence encodes a novel human trabecular meshwork induced

CC glucocorticoid response protein (TIGR) which is used in a method for diagnosing glaucoma in a patient. The method involves the detection of polymorphisms whose presence is predictive of a mutation affecting TIGR response in the patient and can be diagnostic of glaucoma or steroid CC sensitivity. Base substitutions and base additions upstream of and within TIGR exons can also be used to diagnose glaucoma.

Search completed: November 8, 2001, 13:08:21
Job time: 9061 sec